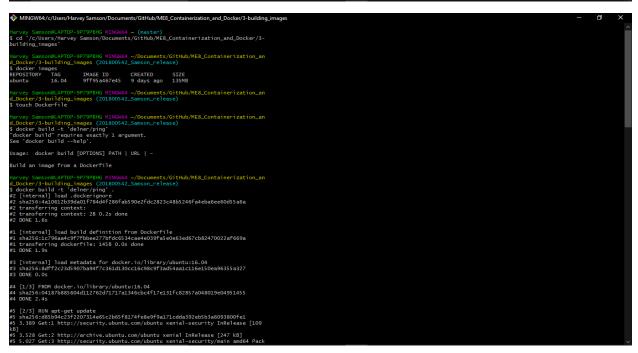
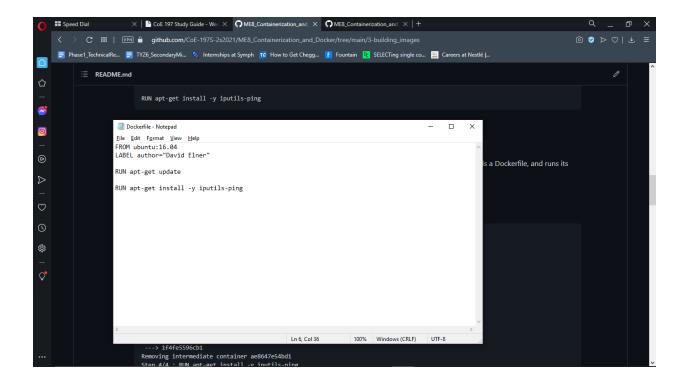
2018 - 00542

Exercise 3: Building Images

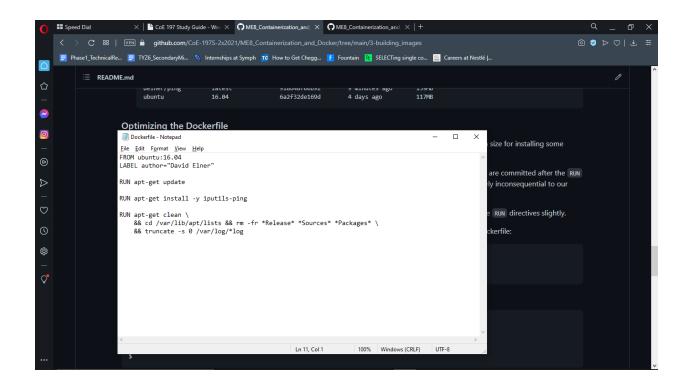
- Getting setup





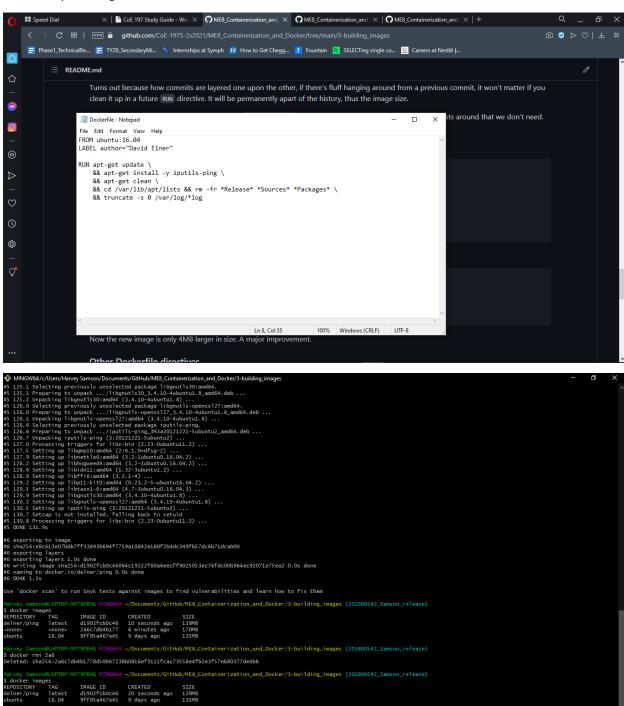
- Building the Dockerfile

```
MINOW64//Users/Harvey Samson/Documents/GitHub/ME8_Containerization_and_Docker/3-building_imag
6 48.87 Unpacking libnettle6:amd64 (3.2-lubuntu0.16.04.2) ...
6 54.16 Preparing to unpack .../libhogweed43.az-lubuntu0.16.04.2) ...
6 54.16 Preparing to unpack .../libhogweed43.az-lubuntu0.16.04.2) ...
6 65.10 Unpacking libhogweed4:amd64 (3.2-lubuntu0.16.04.2) ...
6 60.30 Selecting previously unselected package libihdil1:amd64.
6 60.30 Preparing to unpack .../libidn11.1.32-Jubuntu1.2. 2.amd64.deb ...
6 61.02 Unpacking libihdil1:amd64 (13.2-1-4buntu1.6.04.2) ...
6 66.02 Preparing to unpack .../libifn61.2.1-1_amd64.deb ...
6 66.02 Preparing to unpack .../libifn61.3.2.1-4_amd64.deb ...
6 66.02 Preparing to unpack .../libifn61.3.2.1-4_amd64.deb ...
6 67.29 Unpacking libihdil-ki0:amd64 (12.2.1-4) ...
6 67.19 Preparing to unpack .../libifn61.3.2.1-4_amd64.deb ...
6 67.29 Unpacking libibl-ki0:amd64 (0.23.2-s-ubuntu16.04.2) ...
6 72.19 Preparing to unpack .../libitn81.6.10.2.10.4 ...
6 78.10 Selecting previously unselected package libiputlsan1-6:amd64.deb ...
6 78.10 Selecting previously unselected package libiputls30:amd64.6 ...
6 78.10 Selecting previously unselected package libiputls30:amd64.6 ...
6 78.10 Selecting previously unselected package libiputls30:amd64.6 ...
6 80.18 Preparing to unpack .../libiputls30:a.1.0-4-ubuntu1.8 ...
6 80.18 Preparing to unpack .../libiputls30:a.1.0-4-ubuntu1.8 ...
6 80.95 Selecting previously unselected package libiputls30:amd64.6 ...
6 80.95 Preparing to unpack .../libiputls30:a.1.0-4-ubuntu1.8 ...
6 80.95 Preparing to unpack .../libipu
                                                                                       on/Documents/GitHub/ME8 Containerization and Docker/3-building
     7 exporting to image
7 sha256:e8c613e07b0b7ff33893b694f7759a10d42e180f2b4dc349fb57dc6b71dcab00
       Sina.36.866.01900/17389308941/7994100428.007.004024971057060071060000
exporting layers 1.25 done writing image sha256:e634diaff07de240dila398Clc30205b8937731d5af1f1b0d34860a9de43b102 writing image sha256:e634diaff07de240dila398Clc30205b8937731d5af1f1b0d34860a9de43b102 0.1s done naming to docker.io/delner/ping 0.1s done DONE 1.6s
    se 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
MINGW64:/c/Users/Harvey Samson/Documents/GitHub/ME8_Containerization_and_Docker/3-building_image:
     se 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
       rvey Samson@LAPTOP-9P79PBHG MINGN64 ~/Documents/GitHub/ME8_Containerization_and_Docker/3-building_images (201800542_Samson_release)
docker build -t 'delner/ping'.
[internal] load .dockerignore
sha256:48bc28203ee920404039965831705f36f547257b487f50d21cf307f1535f7b2
transferring context: 28 done
       [internal] load build definition from Dockerfile sha256:17abJ5cdbd3b957e22f98eac002ce4036d1bbb010a438fd06450351d392ce688 transferring dockerfile: 31B done DONE 1.6s
       [internal] load .dockerignore shaz56:48bcd289203ee9c2040a9965831705f36f547257b487f50d21cf307f1535f7b2 DDNE 1.8s
        [internal] load metadata for docker.io/library/ubuntu:16.04 sha256:8dff2c23d5907ba94f7c36id130cc16c98c9f3ad54aa1c116e150ea96355a327 DDNE 0.0s
        [1/3] FROM docker.io/library/ubuntu:16.04
sha255:04187b885604d112762d7l717a1346cbc4f17e131fc82857a048019e04951455
DONE 0.05
        [2/3] RUN apt-get update
sha255:d85b94c23f2207314e65c2b65f8174fe8e9f9a171cdda392eb5b3a6093800fe1
CACHED
        [3/3] RUN apt-get install -y iputils-ping
sha256:ec62f1ae1cd6e472dbc3eacc6090a5dab9f4238a7ac3f70463e9f1220cab3d62
        exporting to image sha256:e8c613e07b0b7ff33893b694f7759a10d42e180f2b4dc349fb57dc6b7ldcab00 exporting layers done writing image sha256:e8d4d1a1f07de24dd11a398c1c3005b8937731d5af1f1b0d34860a9de43b102 writing image sha256:e8d4d1a1f07de24dd11a398c1c3005b8937731d5af1f1b0d34860a9de43b102 0.0s done naming to docker.io/delner/pring done DONE 0.35
   se 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
     arvey Samson@LAPTOP-9F79P8H6 MINGM64 ~/Documents/GitHub/ME8_Containerization_and_Docker/3-building_images (201800542_5amson_release)
docker images
docker images
FOOSITORY TAG IMAGE ID CREATED SIZE
liner/ping latest e3ddla1670f About a minute ago 170MB
unttu 16.04 9ff95a467e45 9 days ago 135MB
```





- Optimizing the Dockerfile



on@LAPTOP-9P79PBHG MINGW64 ~/Documents/GitHub/ME8_Containerization_and_Docker/3-building_images (201800542_Samson_release)

- Other Dockerfile directives

```
C:\Users\Users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\underline{\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\users\underline{\users\users\users\users\users\users\users\users\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underlin
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